



Network Communications

Mark Christensen

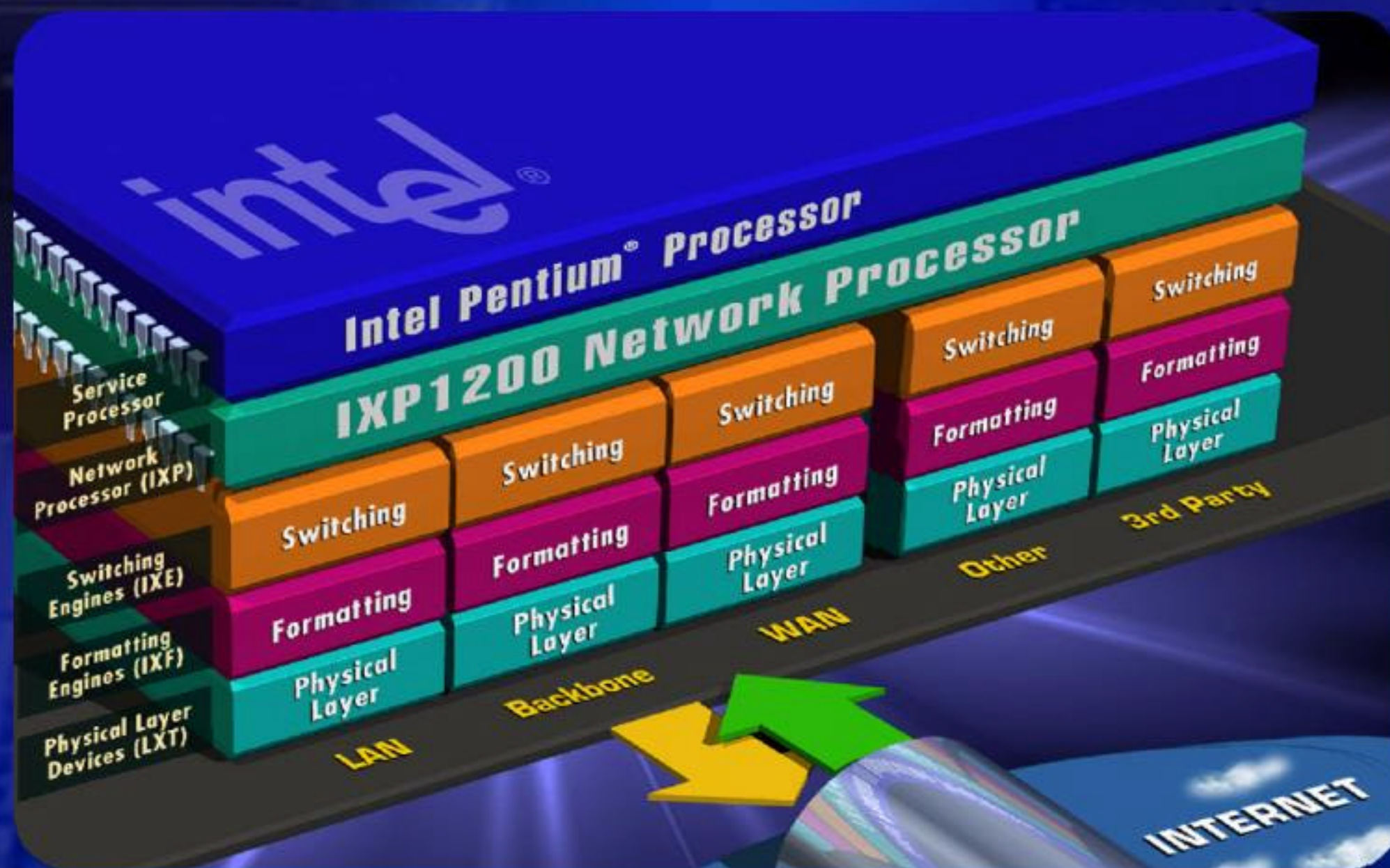
Corporate Vice President and General Manager
Network Communications Group

August 23, 2000

Agenda

- Intel® Internet Exchange™ Architecture (IXA) Overview and Update
- Multi-Service, Intelligent Networks
- IXA Announcements
 - Narus Demonstration
 - Intel® Media Switch Announcement
- Summary

Intel® Internet Exchange™ Architecture



Intel® Internet Exchange™ Architecture Timeline

1998 – August 1999

Digital Semiconductor,
Level One, Softcom,
Netboost Acquired

August 1999

Announced Internet Exchange™ Architecture

- \$200 Million Comm Fund
- IXA Developer Forum
- Introduced IXP1200 and IX APIs

January 2000

Intel Drives Into Optical Technology –
GiGA Acquired

June 2000

Basis Acquired – IAD
Network Processors

7 New Optical Products

May 2000

First Volume Shipping IXP1200

July 2000

China IXA Devel
Center

Trillium Acquisition

Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. Apr. May Jun. Jul. Aug.

1999

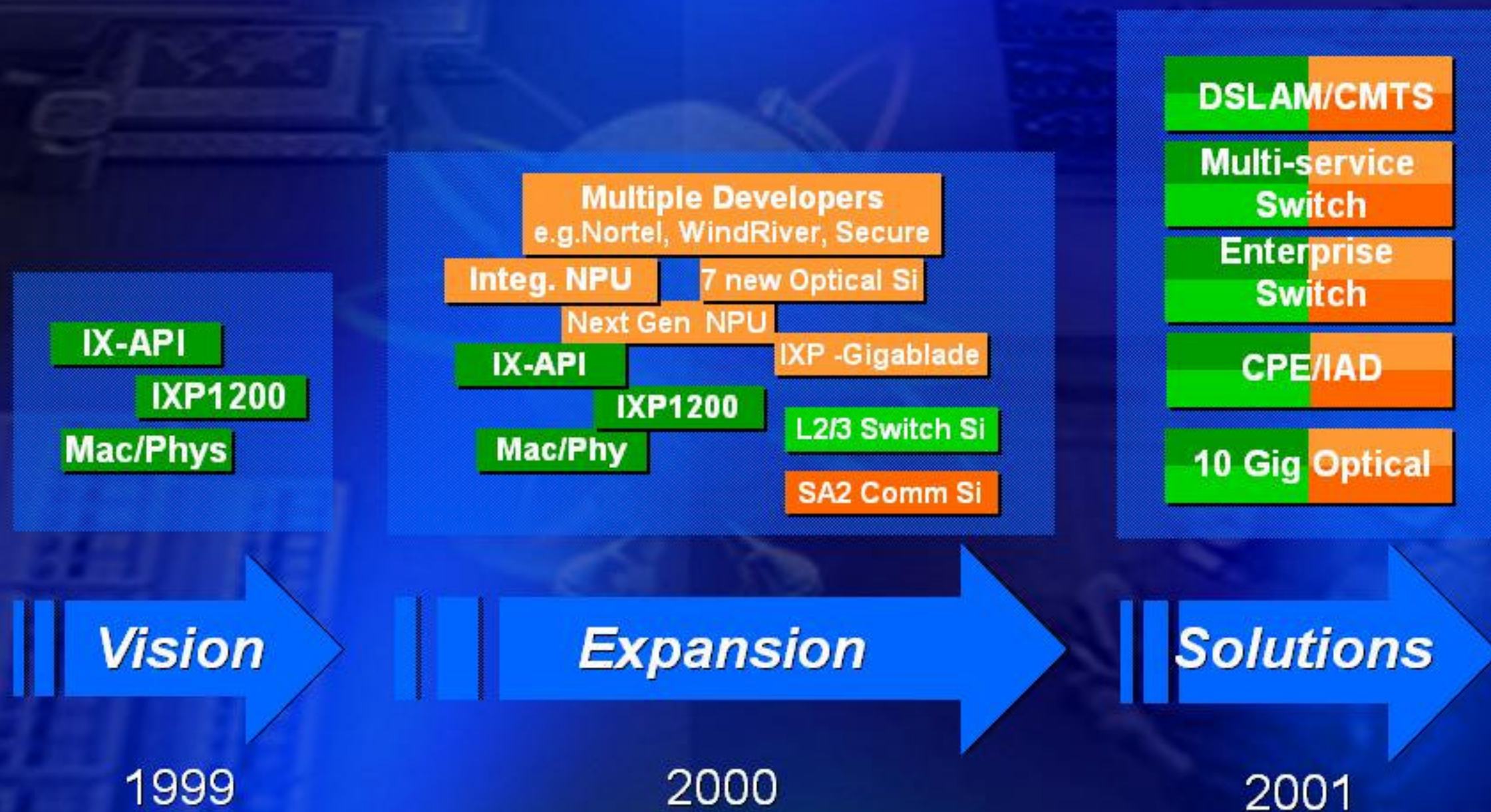
2000

August 2000

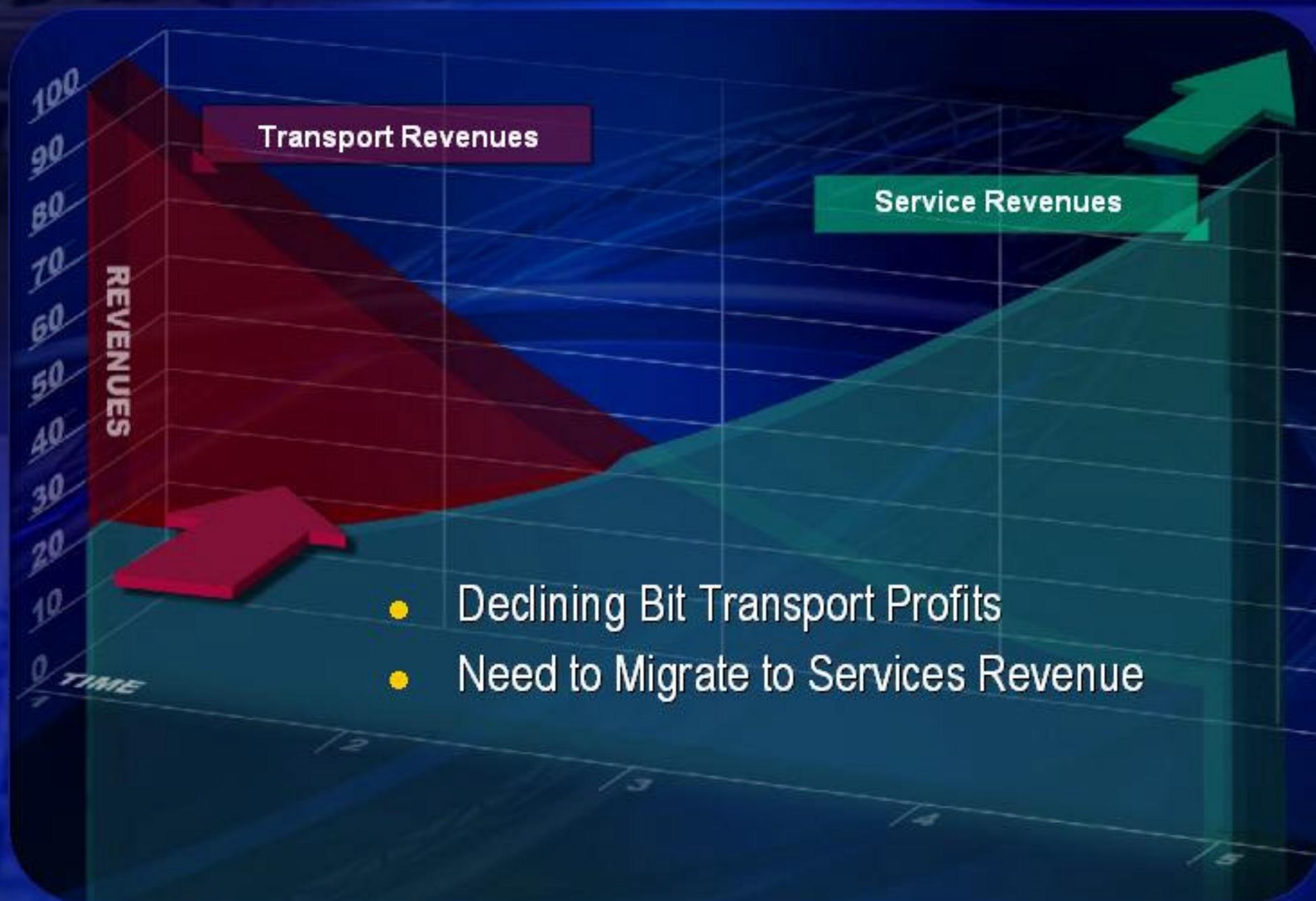
Intel Joins CPIX

Carrier Class Ethernet,
Media Switch, and GigaBlade Announcements

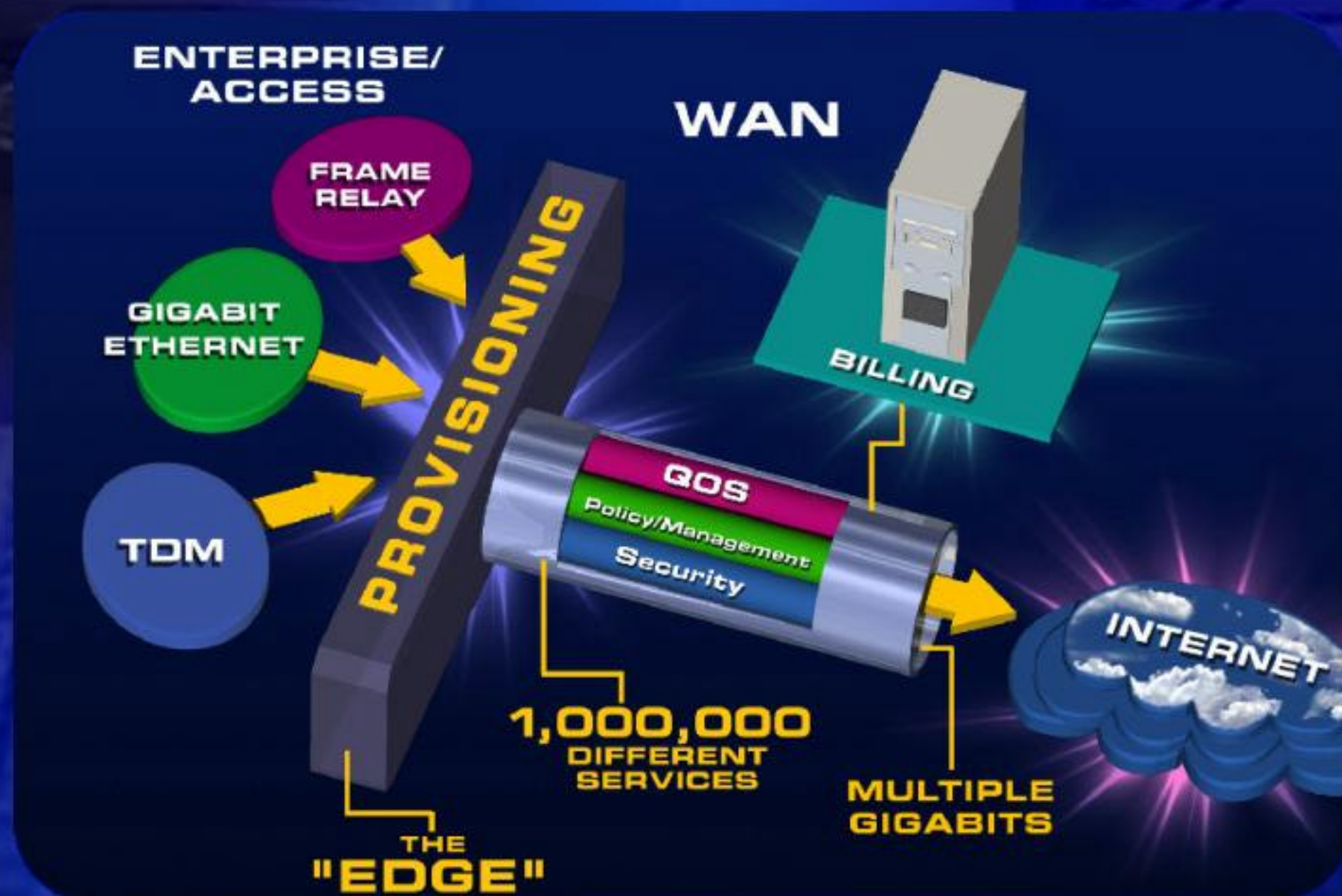
Moving from Building Blocks to Solutions



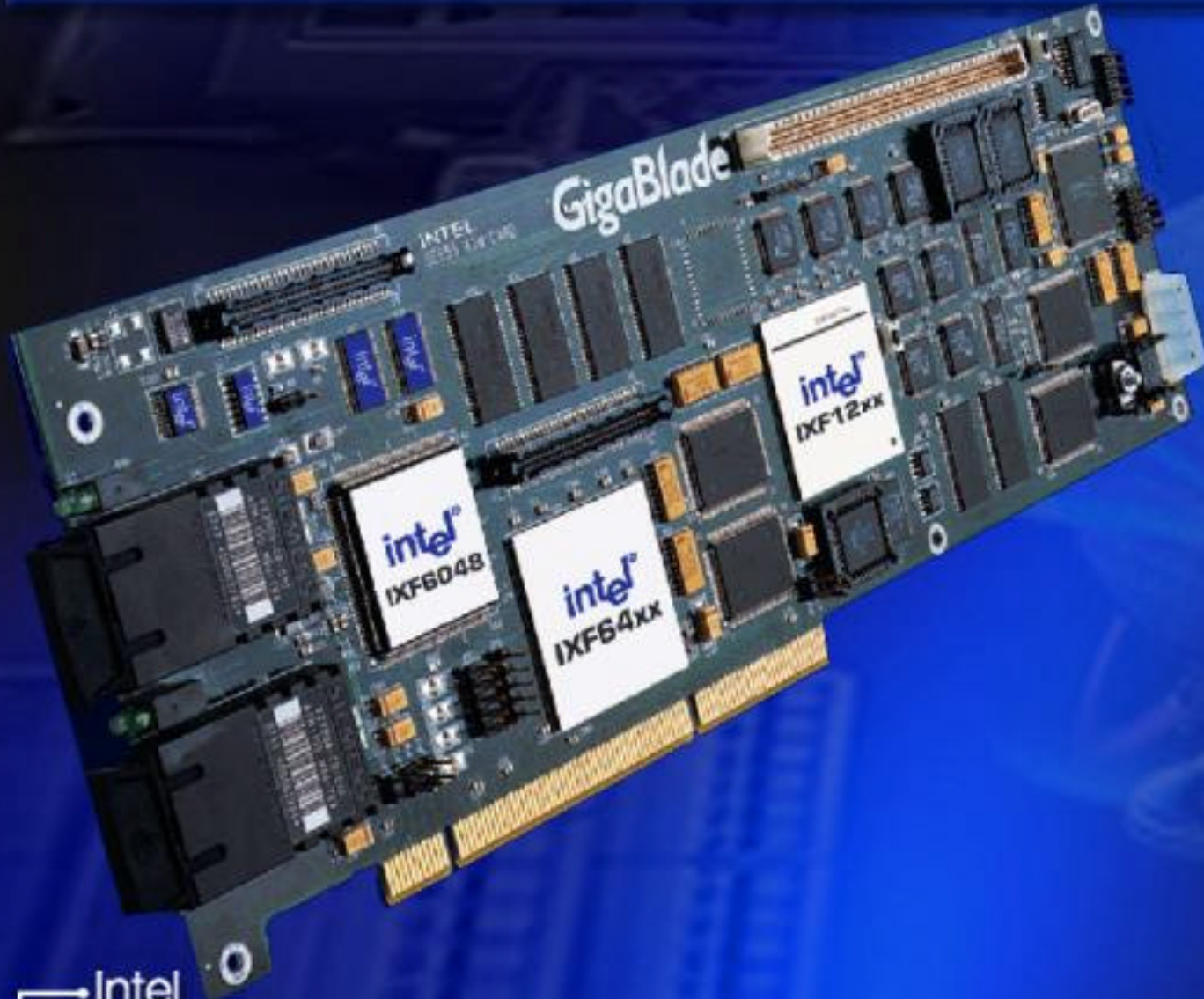
Shift to Intelligence



Enabling Multi-Service Optical Networks

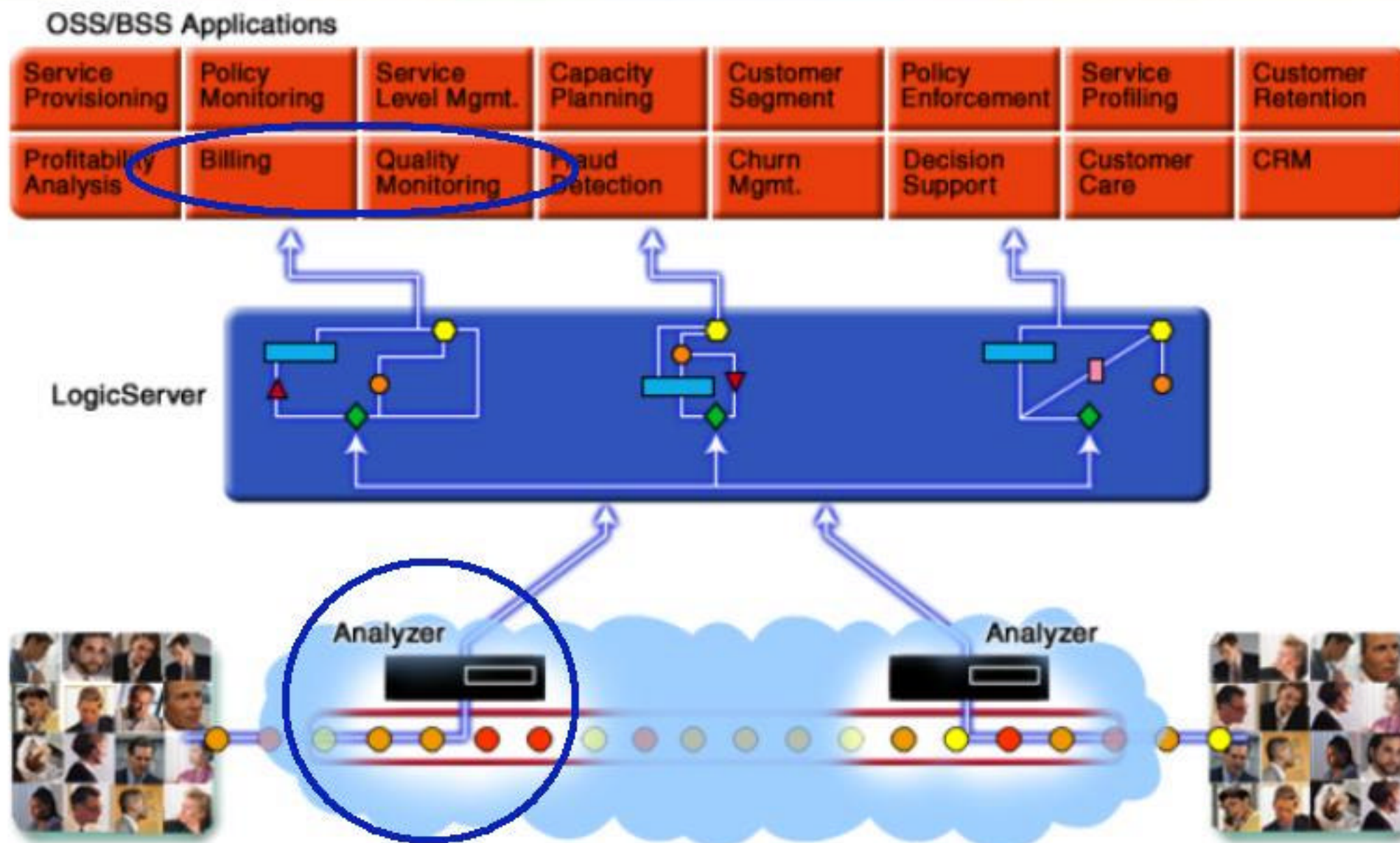


Announcing Intel® OC-48 GigaBlade

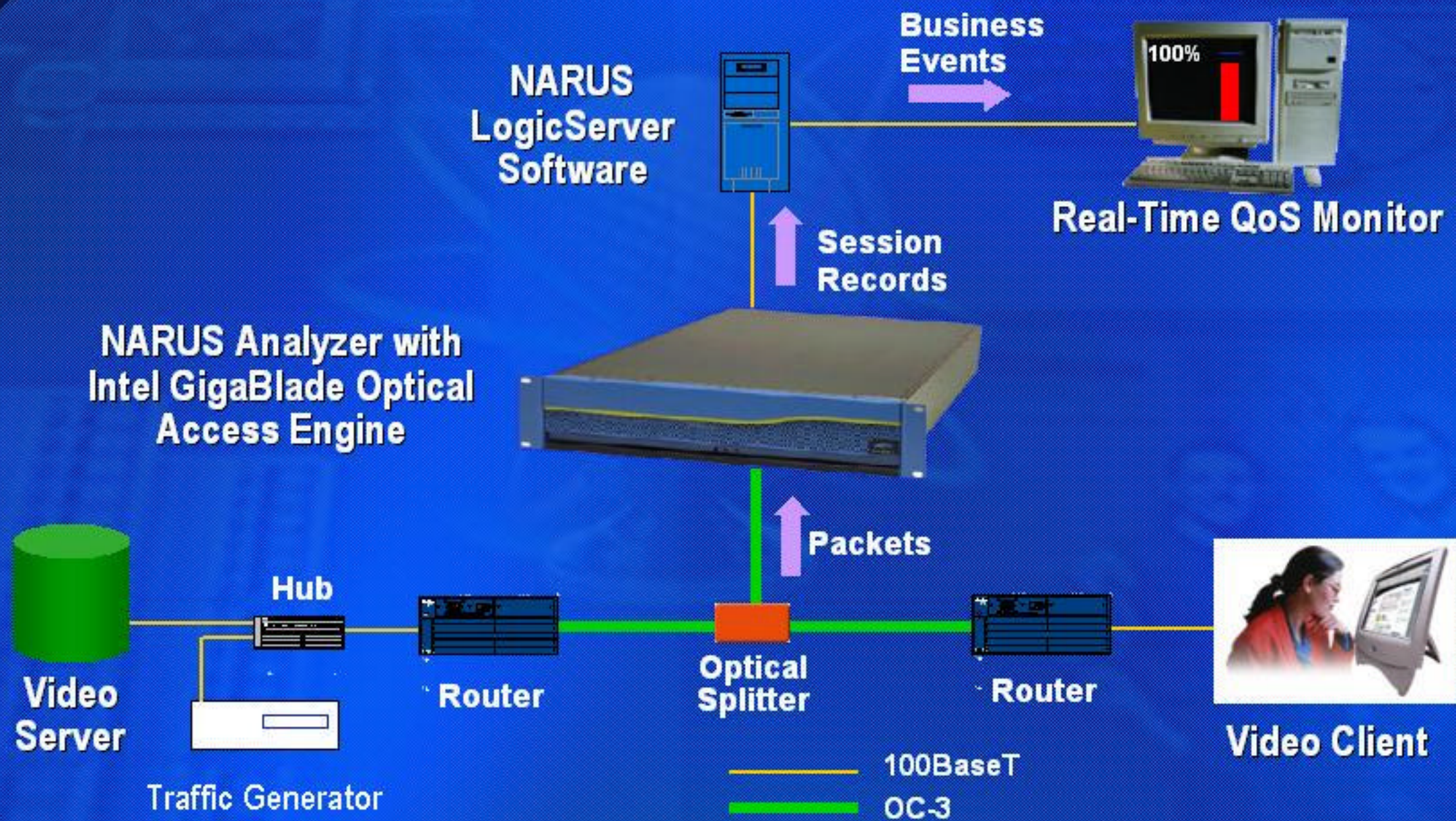


- Enables IA Servers to provide visibility into Optical Networks
- Manage and Provision Services in Real Time
- Supports up to OC-48 over ATM, POS SONET/SDH, Packet over Fiber
- Application Example: NARUS

NARUS Optical Analyzer



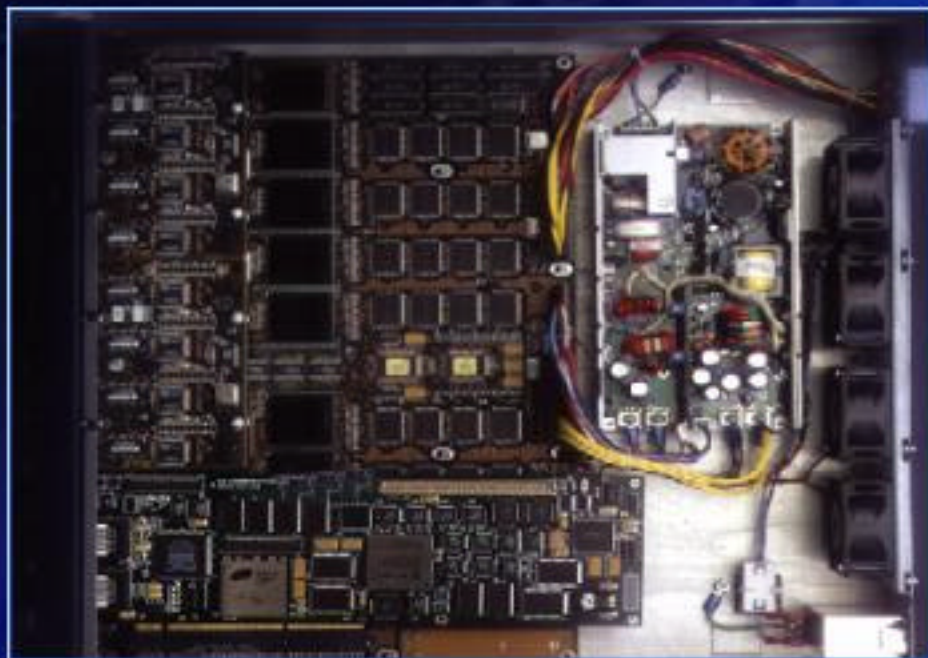
Real-Time, Application-Level QoS Monitoring



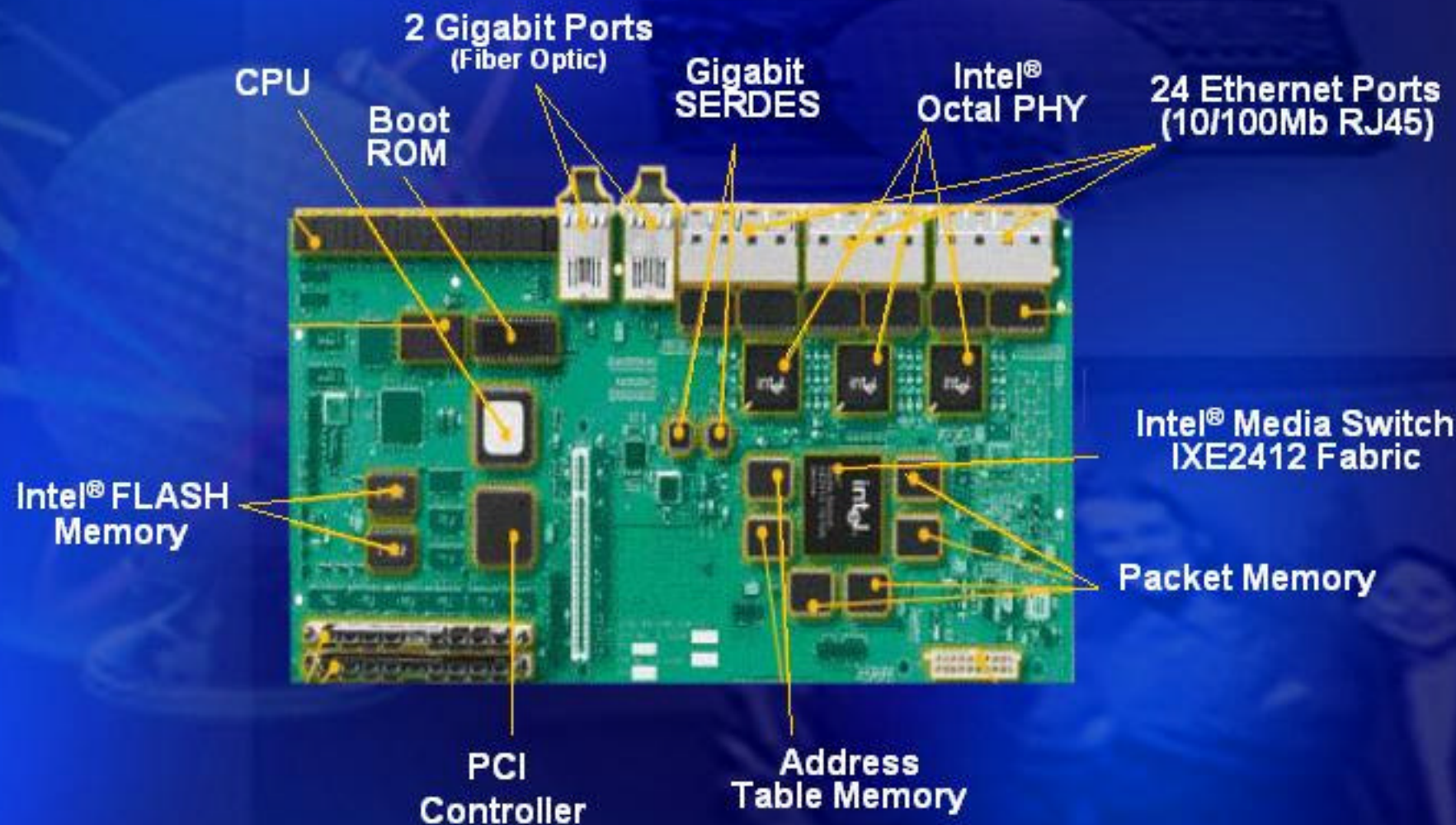
Intel® Media Switch Announcement

- Intel® Media Switch Family provides true voice, video and data integration over IP networks
 - FE and GbE switch fabrics and crossbars
- Enables Multi-service capabilities over Ethernet including:
 - Quality of Service (QoS)
 - Class of Service (CoS)
 - Multicasting, routing, bandwidth management, and provisioning

Intel® Media Switch: IXE2412



Simplifying switches from this...



...to this.



Example: Motorola Intelligent Edge Networking Platform

- Motorola will showcase their Intelligent Edge Networking Platform for telecom applications
- Switching, routing and QoS policy management applications at wire speed
- Intelligent Edge Networking Platform utilizes the Intel® Media Switch IXE2412 Fabric

IXA Tracks, Sessions at IDF

- **Wednesday: Room SJCC A-2/7**

9:30-11:30

- **IXA Building blocks solutions for Intelligent Networks**
- **IXA Silicon Building blocks for Designing Tomorrow's Integrated Multi-Service Access Platform**

1:30-3:30

- **Developments in the IXP NP Family**
- **IX-API Technical Update**

4:00-6:00

- **IXA Solutions (Featuring both GigaBlade and Media Switch)**

- **Thursday: Room SJCC B-2/3**

9:30-11:30

- **IXA Enabling Application Aware Networks**

- *Static demos setup in the back of SJCCA-2/7*
- *Live Motorola demo in booth #440 (IXA booth)*

Summary

- Intel® Internet Exchange™ Architecture moves from vision to reality
 - GigaBlade and Media Switch announcements
 - Strategic partners are delivering real solutions
 - Service providers will gain real benefits
- Learn more at the various sessions